**Magnet Activity Sequence**

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| **Key Learning** | **Key Activity** |
| A magnet attracts ferrous materials. | Sorting objects of various materials |
| The north pole of one magnet attracts the south pole of a second magnet, while the north pole of one magnet repels the other magnet's north pole. | Exploration with multiple magnets; maybe flipping polarity activity |
| The Earth is a giant magnet. |  |
| The end of a freely pivoted magnet will always point in the North-South direction. |  |
| An electromagnet is a magnet that can be turned on off. | Create an electromagnet; test for attraction of ferrous materials |
| The more electric current, the stronger the electromagnet.  The more times a wire is wrapped around the “core” the stronger the electromagnet. | Increase the strength of the electromagnet (wrapping wire; testing) |
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